

HIKVISION®

HiWatch Series

HWI-D180H 8 MP Fixed Dome Network Camera



- High quality imaging with 8 MP resolution
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging against strong back light due to 120 dB true WDR technology
- Water and dust resistant (IP67) and vandal resistant (IK10)
- 3D DNR technology delivers clean and sharp images
- Easy installation with Power over Ethernet (PoE) technology

▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.01 Lux @(F2.0, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 108°, vertical FOV 60°, diagonal FOV 127° 4 mm, horizontal FOV 86°, vertical FOV 46°, diagonal FOV 102°
Lens Mount	M12
Iris Type	Fixed
Aperture	F2.0
DORI	
DORI	2.8 mm, D: 81 m, O: 32 m, R: 16 m, I: 8 m 4 mm, D: 106 m, O: 42 m, R: 21 m, I: 11 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 12.5 fps (3840 × 2160), 20 fps (2592 × 1944), 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (3840 × 2160), 20 fps (2592 × 1944), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR/VBR
Region of Interest (ROI)	1 fixed region for main stream
Network	
Security	Password protection, complicated password, HTTPS encryption, watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, host authentication (MAC address)
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S), ISAPI, SDK

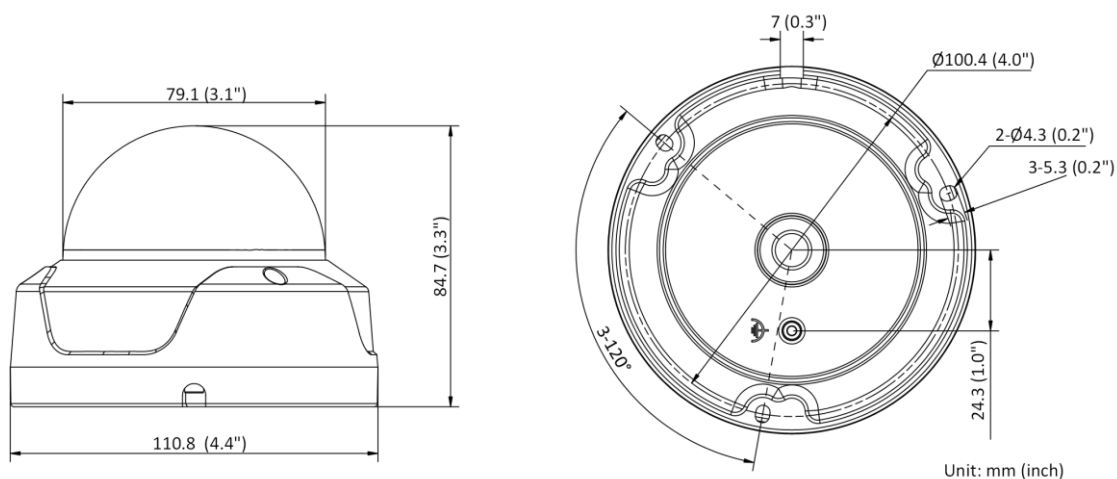
Protocols	TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour, FTP, SMTP
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+
Image	
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Mirror, rotate, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Privacy Mask	4 regions of privacy mask
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Event	
Basic Event	Motion detection , video tampering alarm, exception
Linkage	Notify surveillance center, trigger capture
General	
Power	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W
Material	Metal & Plastic
Dimension	Ø110.8 mm × 84.7 mm (4.4" × 3.3")
Package Dimension	134 mm × 134 mm × 108 mm (5.3" × 5.3" × 4.3")
Weight	Approx. 520 g (1.1 lb.)
With Package Weight	Approx. 720 g (1.6 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English, Ukrainian
General Function	Anti-flicker, heartbeat, password protection, password reset via email
Approval	
EMC	CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011+A1: 2014)
Safety	CE-LVD (EN 62368-1:2014/A11:2017)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)

▪ Available Model

HWI-D180H(2.8mm)(C)

HWI-D180H(4mm)(C)

▪ Dimension



▪ Accessory

▪ Optional

DS-1272ZJ-110B Wall mount	DS-1272ZJ-110 Wall mount	DS-1271ZJ-110 Pendant Mount	DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount
DS-1280ZJ-DM18 Junction box	DS-1259ZJ Inclined ceiling mount	DS-1250ZJ Water-proof		

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